

REMARKS

In a Final Office Action dated 15 December 2004, the Examiner objects to the specification and claims. The Examiner also rejects claims 1-7 (all pending claims). In response to the office action, Applicants amend the specification, and claim 7. Applicants also respectfully traverse the rejections. In light of the amendments and arguments sent forth below, Applicants respectfully request that this application be allowed.

Applicants have amended the specification to address the deficiencies cited by the Examiner. Specifically, Applicants have amended the Abstract of the specification to overcome the Examiners objection. Claim 7 is amended to correct the informality cited by the examiner. Therefore, Applicants respectfully request the objections to the specification and claim 7 be removed.

The Examiner rejects claim 1 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent Number 6,285,212 issued to Kaptanoglu (K). To anticipate a claim under 35 U.S.C. § 102, a single source must contain all of the elements of the claim. *Lewmar Marine Inc. v. Barient, Inc.*, 827 F.2d 744, 747, 3 U.S.P.Q.2d 1766, 1768 (Fed. Cir. 1987), cert. denied, 484 U.S. 1007 (1988). Moreover, the single source must disclose all of the claimed elements “arranged as in the claim.” *Structural Rubber Prods. Co. v. Park Rubber Co.*, 749 F.2d 707, 716, 223 U.S.P.Q. 1264, 1271 (Fed. Cir. 1984).

Applicants feel the Examiner has missed the gist of the Applicant's argument. Applicants assert that the connects taught in K that the Examiner has cited are directed

to an expressway system that has vertical and horizontal conductors that connect input and output ports of blocks inside tile. The claimed invention on the other hand is a freeway system that has conductors that connect tiles. Thus, the conductors taught in K are not the conductors recited in claim 1. Thus, the Applicants submit the following argument.

Claim 1 recites a freeway routing system wherein the freeway routing system comprises a first set of routing conductors configured to transfer signals to the input ports of at least one interface group in a first one of said plurality of tiles and configured to transfer signals the output ports of the interface groups in the remainder of the plurality of tiles. The first set of routing signal comprises vertical and horizontal conductors connected by programmable elements arranged in a diagonal as recited in claim 1. K does not teach this limitation. K teaches an expressway routing system for connecting B1 blocks in adjacent B16XB16 tiles. B1 blocks include four clusters of logic elements. See Col. 9, lines 29-44. All the connections taught in K relate to the expressway connections and do not teach anything relating to the freeway connections that connect input and output ports of tiles. Instead all of the connections that are taught in K and cited by the Examiner are in an Expressway routing system connecting input and output ports between blocks in a tile. One would have to modify the teaching of K to include the connections of the expressways taught in K to the be placed in the Freeway connections as recited. In K, the only discussion of freeway connections is given in at Col. 2, lines 27-37 and Col. 4, lines 31-62. In these sections, there is no mention of conductors and programmable elements of the freeway system that connect input and output ports on a tile as recited in claim 1. Thus, K does not teach the element of claim 1 as recited in the claim. Thus, Applicants respectfully request that the rejection to claim 1 be removed and amended claim 1 be allowed.

Claims 2-7 are dependent upon amended claim 1. Thus, claims 2-7 are allowable as being dependent upon an allowable independent claim. Therefore, Applicants respectfully request that claims 2-7 be allowed.

If the Examiner has any questions regarding this response or the application in general, the Examiner is invited to telephone the undersigned at 775-586-9500.

Respectfully submitted,
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